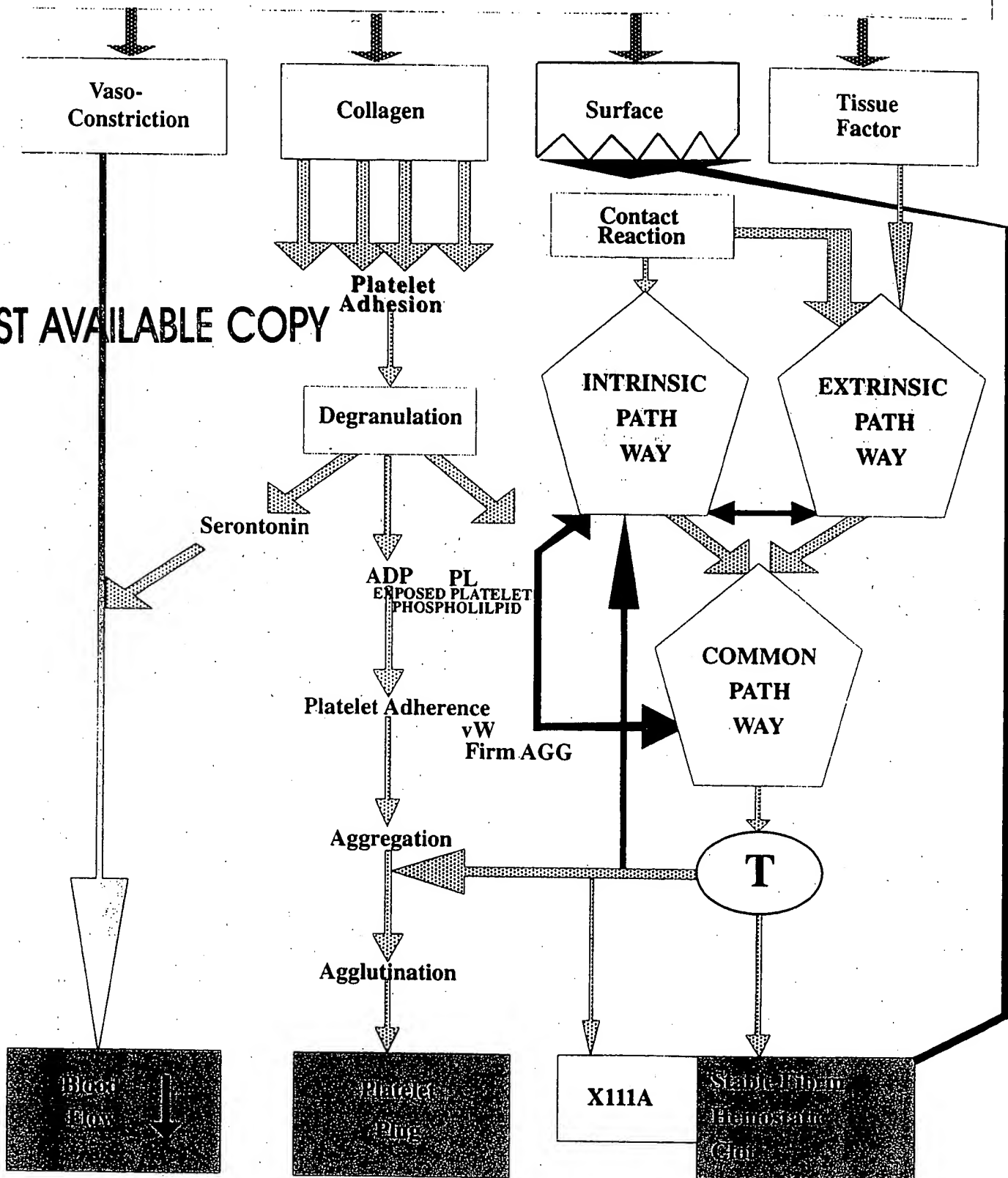


Injury to Blood Vessel Wall

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The End Reactions



Reactions Requiring Calcium

vW= von Willebrand factor

T = Activated Thrombin

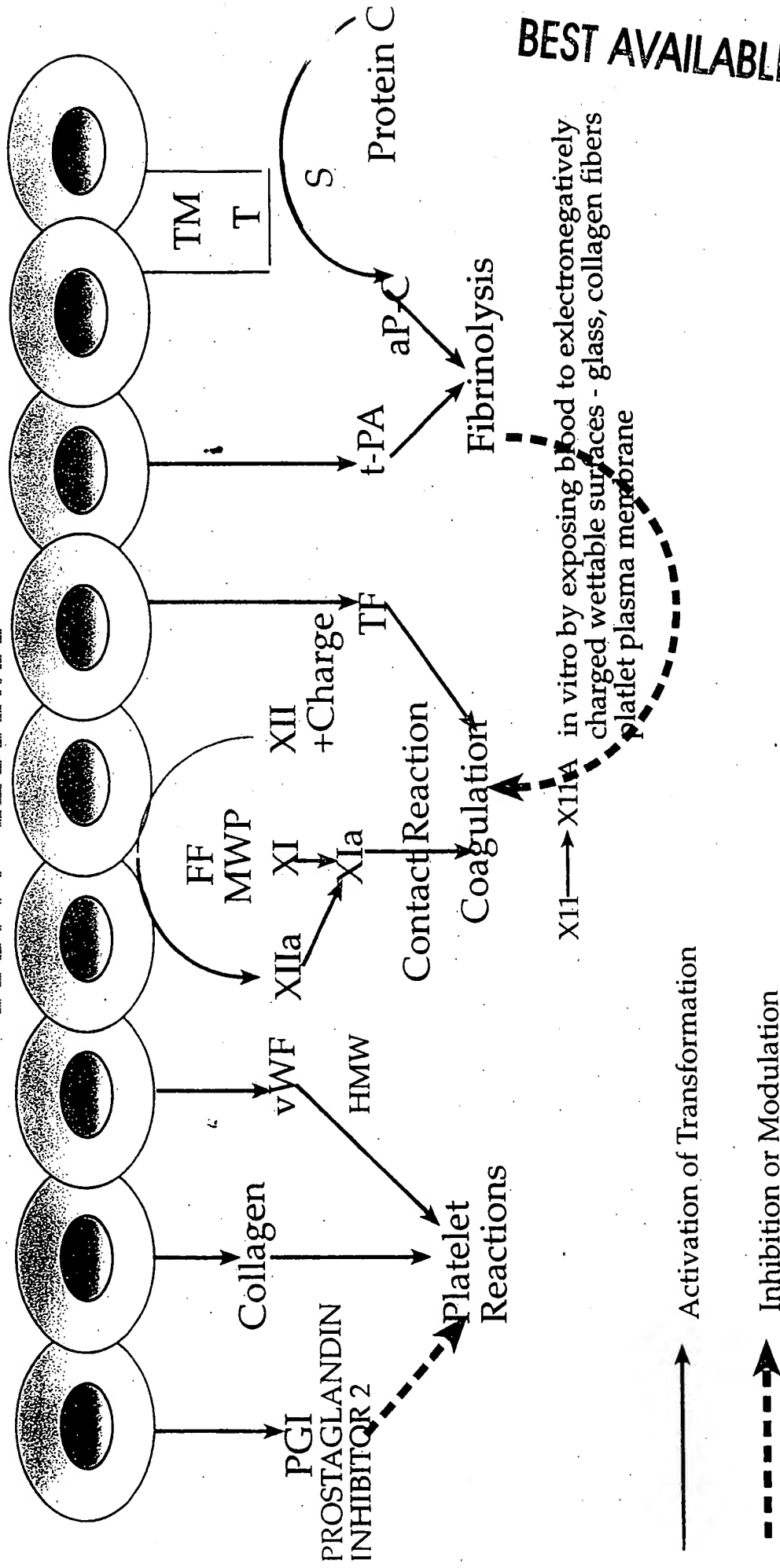
FIGURE 1 Hemostatic reactions.

TISSUE AND BLOOD



FIGURE 1A

Endothelial Surface



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FIGURE 2: Surface reactions. Abbreviations (FF) Fletcher (prekallikrein) and Fitzgerald (HMW kininogen) factors; (TM) thrombomodulin; (T) thrombin; (PGI₂) prostaglandin inhibitor 2; (vWF) von Willebrand factor; (TF) tissue factor; (t-PA) tissue plasminogen activator; (aP-C) activated protein C; (S) protein S.

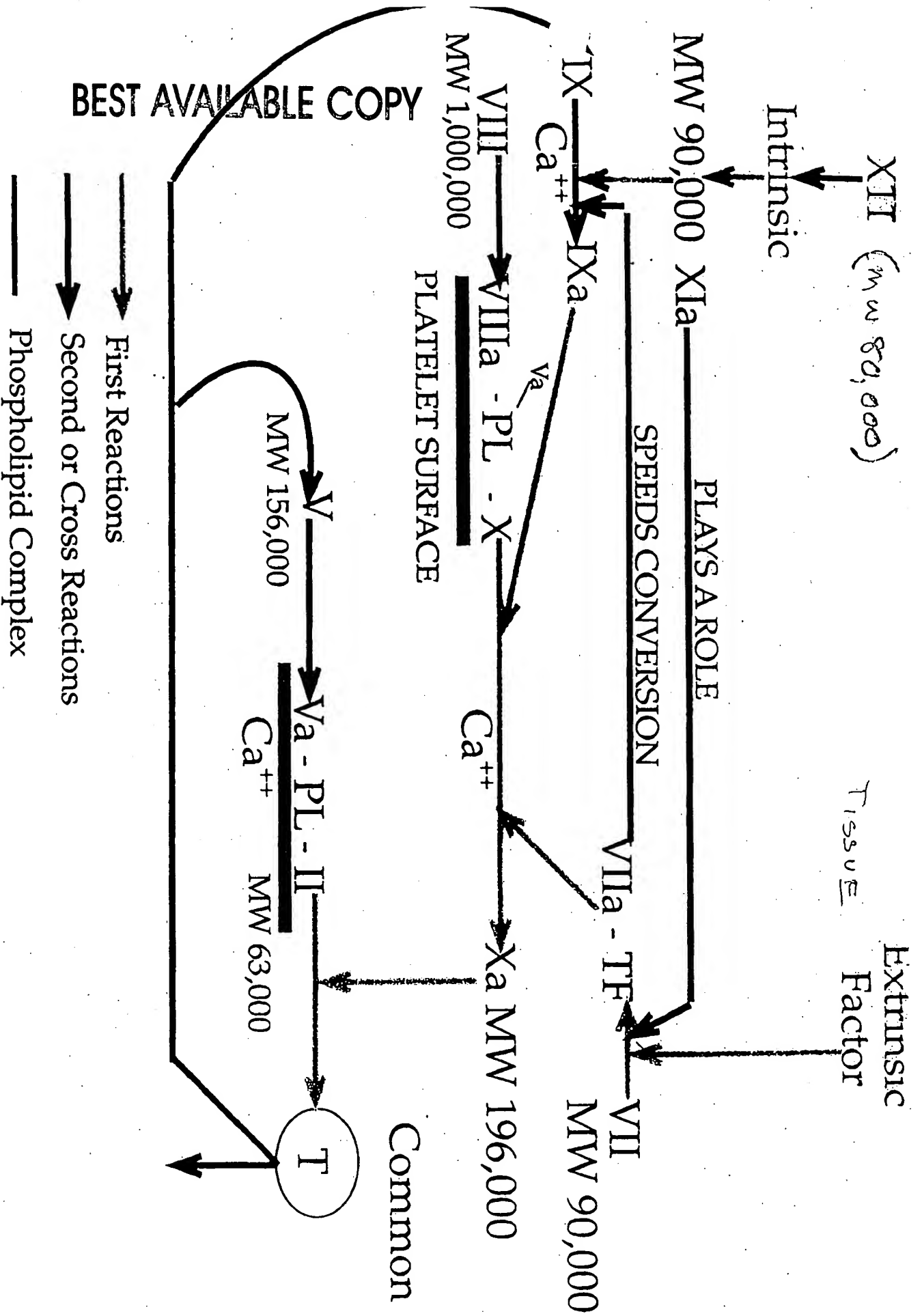
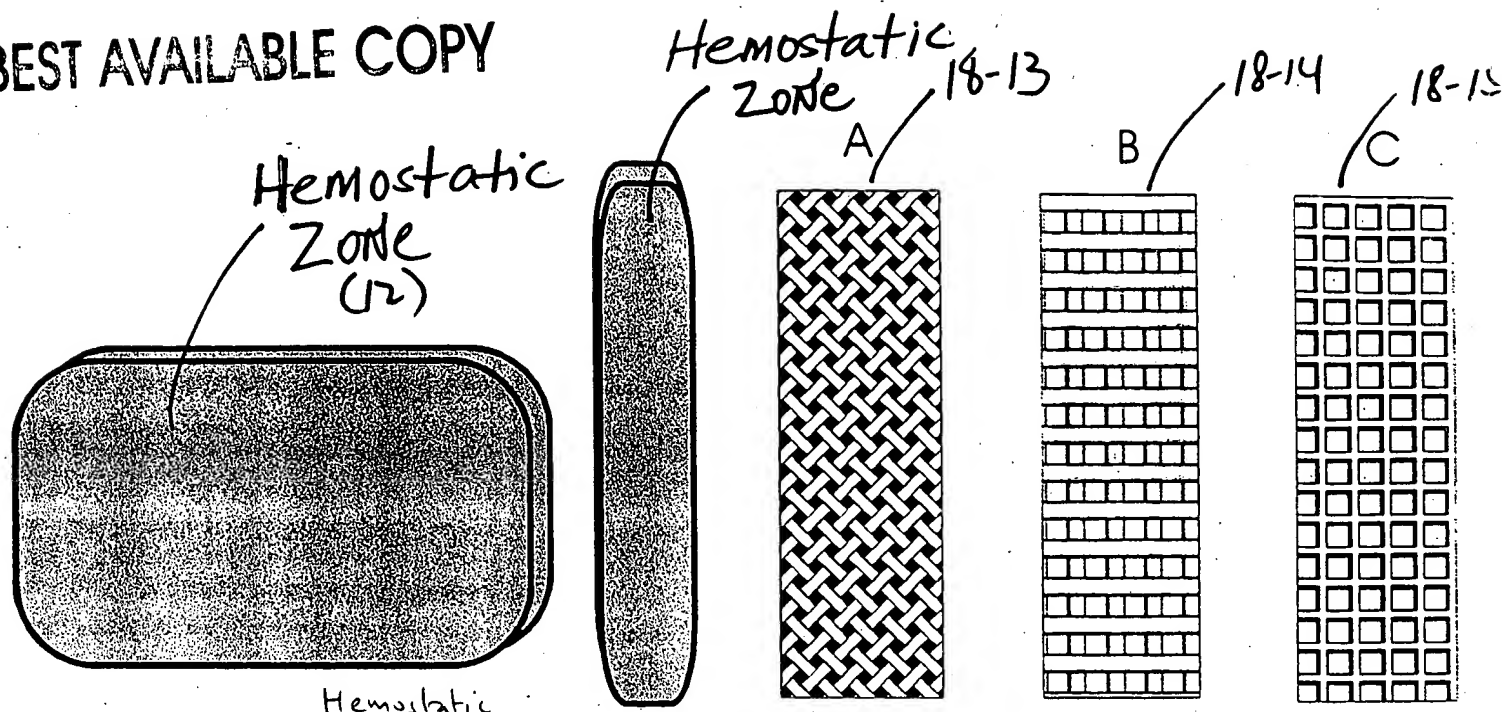


FIGURE 3. Coagulation pathways. (TF) tissue factor; (PL) phospholipid complex (T) activated thrombin.

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Hemex bag (Hemostatic zone)
Top & Side View

Enlarged views of covering
separation material
(Examples of different matrix textures)

Fig. 4

Fig. 5

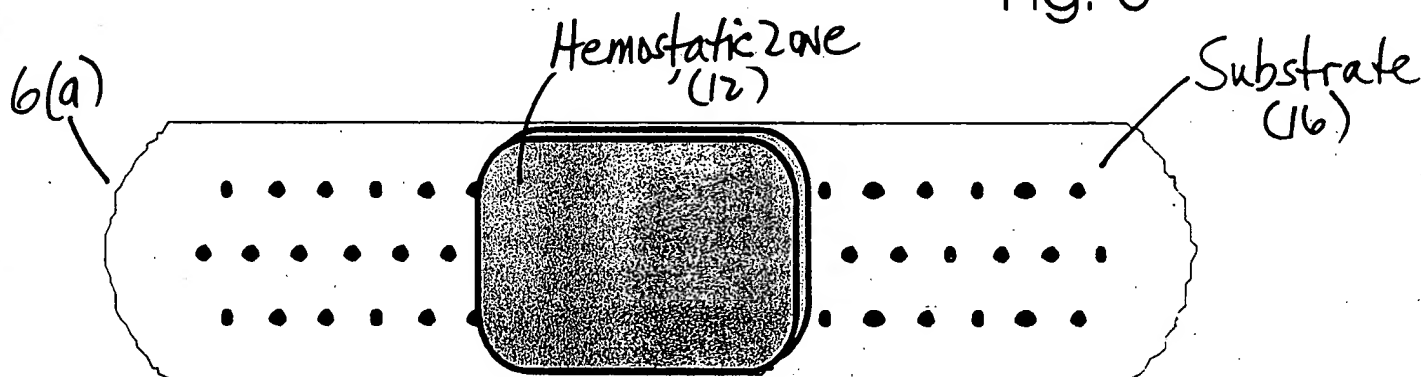
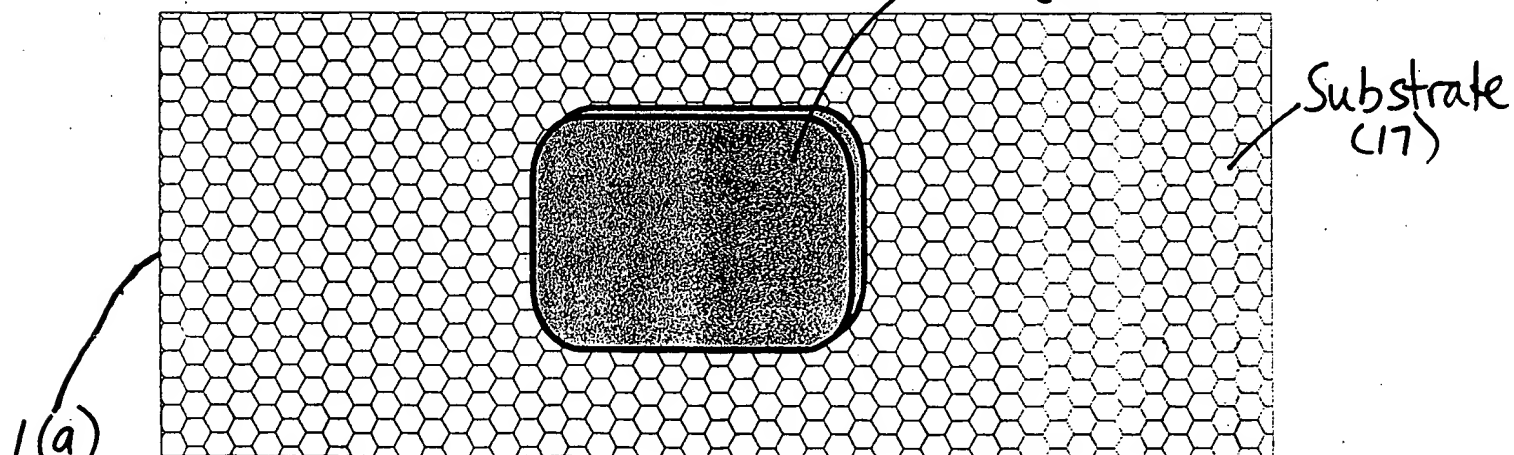


Fig. 6

Hemostatic Zone
(12)

Substrate
(16)



Hemex Bag (reagent zone) on adhesive backing

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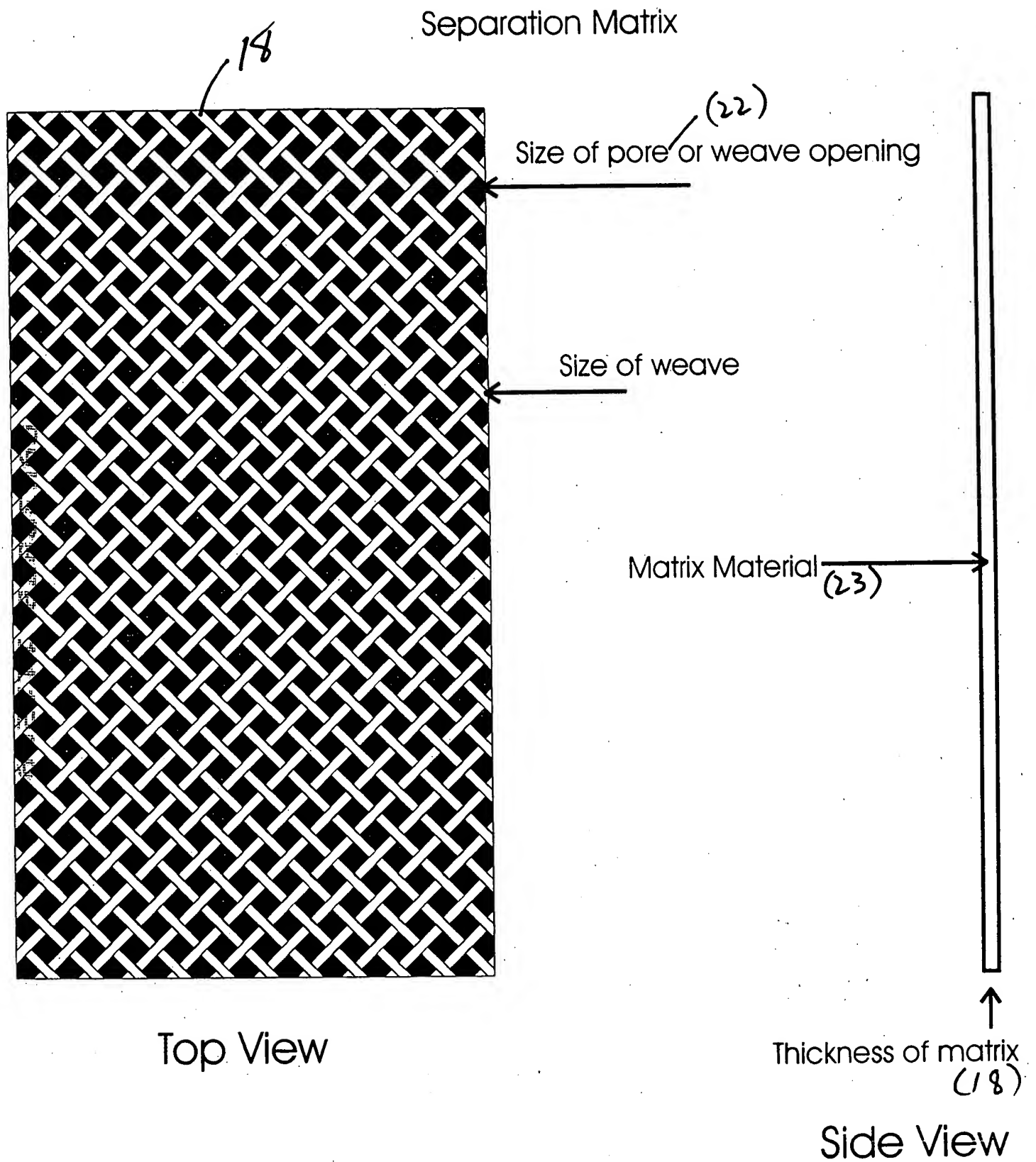


Fig. 7

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Modified Syringe
Curved Tip
For Use on Arteries/Veins
(Side View)

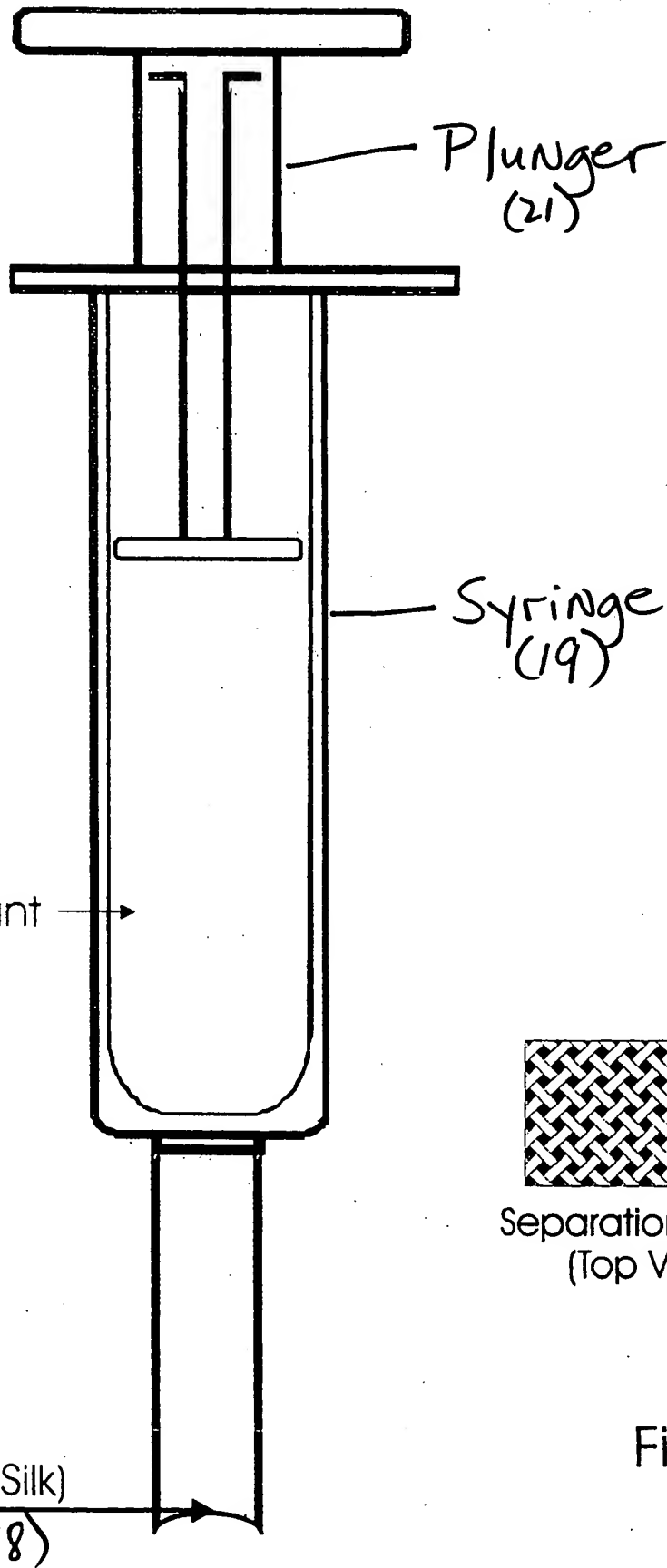


Fig. 8

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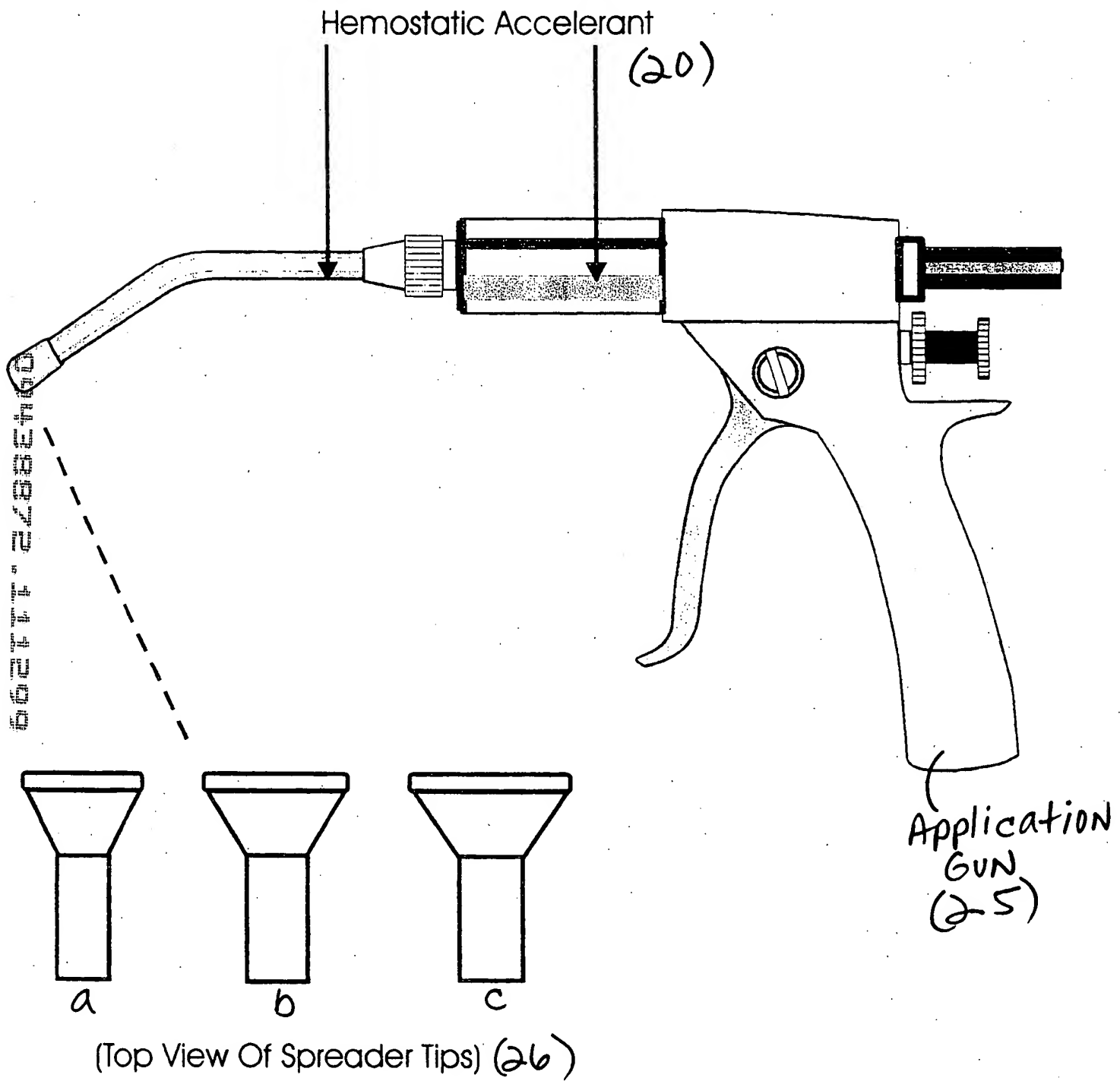


Fig. 9

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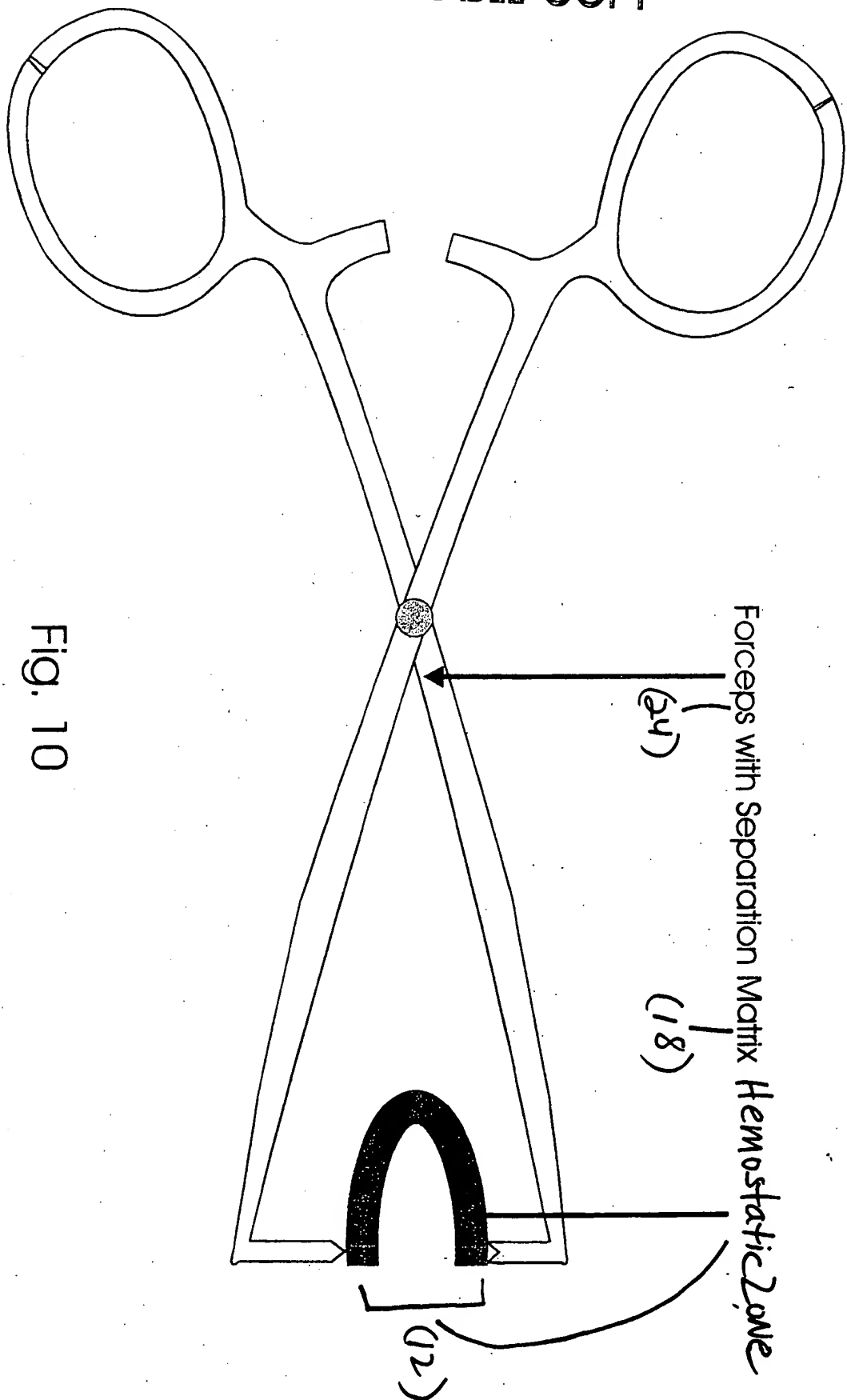
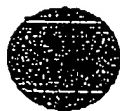
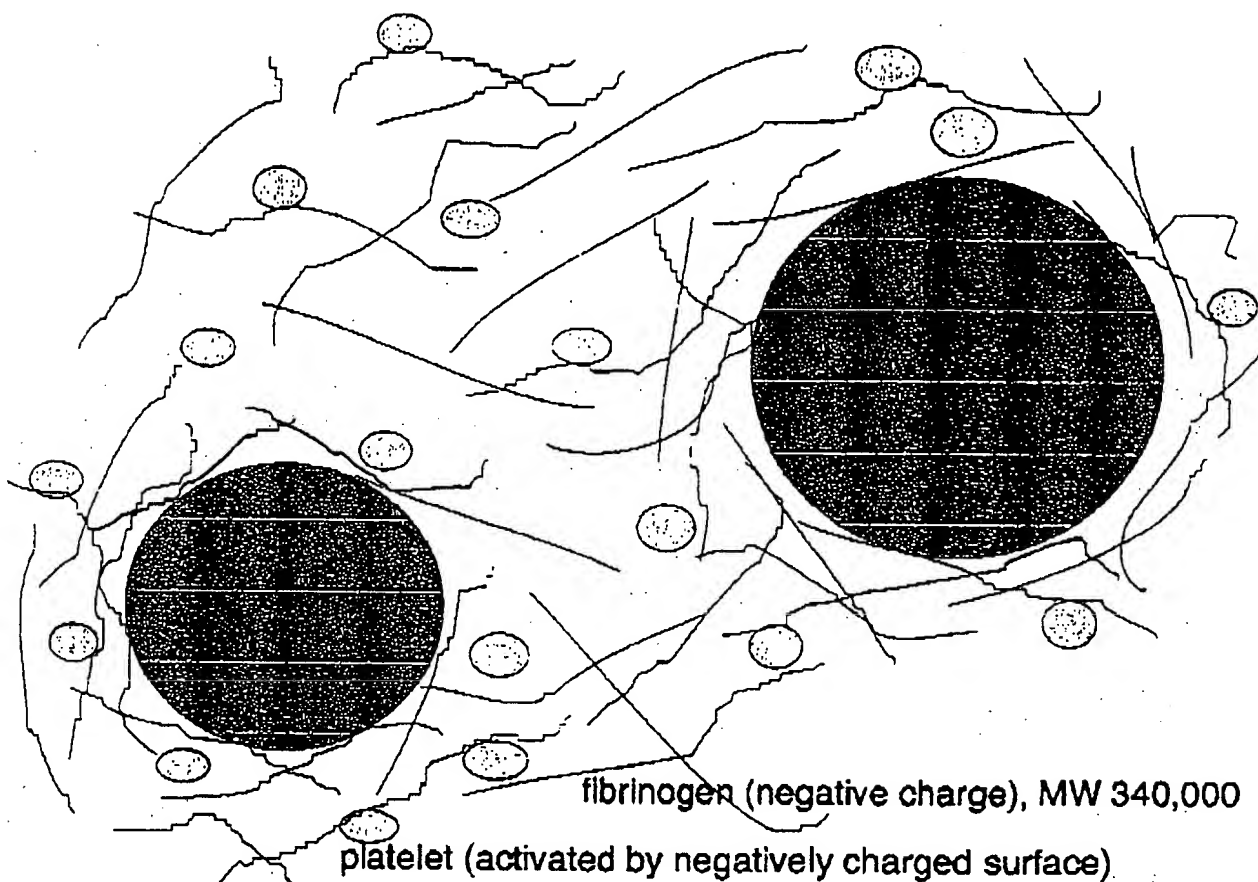


Fig. 10

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Platelet Activation by the Ionic Concentration of Fibrinogen on the Surface of HP15



HP15 : absorbs proteins < 300,000 MW
and concentrates proteins > 300,000 MW

Fig. 11.